

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. R5-2008-_____

FOR

EAST BAY MUNICIPAL UTILITY DISTRICT
CAMANCHE DAM POWER HOUSE
SAN JOAQUIN COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring influent wastewater, treated effluent, wastewater ponds, and pond soil quality. This MRP is issued pursuant to Water Code Section 13267. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Executive Officer. Regional Board staff shall approve specific sample station locations prior to implementation of sampling activities.

This MRP is effective upon date of signature; however, portions of the MRP will not be relevant until the wastewater discharge location is changed to the EP Pond. In the meantime, the Discharger shall submit the monitoring data as described in the "Reporting" section of this MRP and all requirements of WDRs Order No. R5-2003-0153 until that order is rescinded.

All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The time, date, and location of each grab sample shall be recorded on the sample chain of custody form. Field test instruments (such as those used to measure pH and dissolved oxygen) may be used provided that:

1. The operator is trained in proper use and maintenance of the instruments;
2. The instruments are calibrated prior to each monitoring event;
3. The instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
4. Field calibration reports are submitted as described in the "Reporting" section of the MRP.

INFLUENT MONITORING

Influent flow monitoring shall be performed upstream of the oil separation pond. Influent monitoring shall include the following:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Flow ¹	gpd	Continuous Meter	Daily	Quarterly
Average Daily Flow ²	gpd	Calculated	Monthly	Quarterly

¹ Flow represents the daily flow rate.

² Average Daily Flow represents the daily flow rate averaged over the month.

EFFLUENT MONITORING

Effluent samples shall be collected immediately downstream of the oil separation pond, and prior to discharge to the EP Pond. All samples shall be representative of the volume and

nature of the discharge. Effluent monitoring shall include the following:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Total Oil and Grease	mg/L	Grab	Monthly	Quarterly
Electrical Conductivity	umhos/cm	Grab	Monthly	Quarterly
Total Copper	ug/L	Grab	Monthly	Quarterly
Total Dissolved Copper	ug/L	Grab	Monthly	Quarterly
Fixed Dissolved Solids	mg/L	Grab	Quarterly	Quarterly

EVAPORATION/PERCOLATION (EP) AND STANDBY POND MONITORING

Each pond shall be monitored when in use and when there is a minimum of one-foot of water as specified below:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Dissolved Oxygen ¹	mg/L	Grab	Monthly	Quarterly
Freeboard	0.1 feet	Measurement	Weekly	Quarterly
pH ¹	Standard	Grab	Monthly	Quarterly
Odors	--	Observation	Monthly	Quarterly
Berm condition	--	Observation	Monthly	Quarterly
Petroleum Sheen	--	Observation	Monthly	Quarterly

¹ Samples shall be collected at a depth of one foot from each pond in use, opposite the inlet.
Samples shall be collected between 0700 and 0900 hours.

EP AND STANDBY POND SOIL SAMPLING

Soil samples shall be collected from the bottom of the EP and Standby ponds as specified below and described in the approved *Soil Sampling and Analysis Plan*. If no wastewater was discharged to the Standby pond during the quarter, the monitoring for that pond is not required.

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Total Copper	mg/kg	Grab	Annual	Annual
Total Oil and Grease	mg/kg	Grab	Annual	Annual

REPORTING

In reporting monitoring data, the District shall arrange the data in tabular form so that the date, sample type (e.g., effluent, pond, etc.), and reported analytical result for each sample is readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with waste discharge requirements and spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported to the Regional Water Board.

As required by the California Business and Professions Code Sections 6735, 7835, and 7835.1, all soil sampling reports shall be prepared under the direct supervision of a Registered Engineer or Geologist and signed by the registered professional.

A. Quarterly Monitoring Reports

Daily, weekly, and monthly monitoring data shall be reported in quarterly monitoring reports. Quarterly monitoring reports shall be submitted to the Board by the **1st day of the second month after the quarter** (i.e. the January-March quarterly report is due by May 1st). At a minimum, the reports shall include:

1. The report shall include the following:
 - a. Results of influent; effluent; and EP and Standby Ponds;
 - b. A comparison of monitoring data to the discharge specifications and an explanation of any violation of those requirements. Data shall be presented in tabular format;
 - c. If requested by staff, copies of laboratory analytical report(s); and
 - d. A calibration log verifying calibration of all hand-held monitoring instruments and devices used to comply with the prescribed monitoring program.
 - e. When appropriate, the results of sampling the bottom of the EP Pond and/or standby-unlined pond soil sampling.

B. Annual Report

An Annual Report shall be prepared as the fourth quarter monitoring report. The Annual Report will include all monitoring data required in the quarterly schedule. The Annual Report shall be submitted to the Regional Board by **1 February** each year. In addition to the data normally presented, the Annual Report shall include the following:

1. If requested by staff, tabular and graphical summaries of all data collected during the year;
2. A discussion of compliance and the corrective actions taken, as well as any planned or proposed actions needed to bring the discharge into full compliance with the waste discharge requirements;
3. Calculation of Total Copper - Annual Average as described in Effluent Limitation C.1.
4. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program;
5. Summary of septic tank pumping activity;

6. Equipment maintenance and calibration records, as described in Standard Provision No. C.4;
7. A forecast of influent flows, as described in Standard Provision No. E.4;

A letter transmitting the self-monitoring reports shall accompany each report. Such a letter shall include a discussion of requirement violations found during the reporting period, and actions taken or planned for correcting noted violations, such as operation or facility modifications. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. The transmittal letter shall contain the penalty of perjury statement by the Discharger, or the Discharger's authorized agent, as described in the Standard Provisions General Reporting Requirements Section B.3.

The Discharger shall implement the above monitoring program on the first day of the month following adoption of this Order.

Ordered by: _____
PAMELA C. CREEDON, Executive Officer

(Date)

TRO: 4/2/08